



Docket No.: 1561-0140PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Fuchun SHENG

Application No.: 10/582,864

Confirmation No.: 5972

Filed: June 14, 2006

Art Unit: N/A

For: A HIGH EFFICIENT METHOD OF SLAG  
SCOOPING-UP FROM LIQUID IRON AND A  
DEVICE FOR IMPLEMENTING SAID  
METHOD

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements dated March 22, 2007, Applicant respectfully submits:

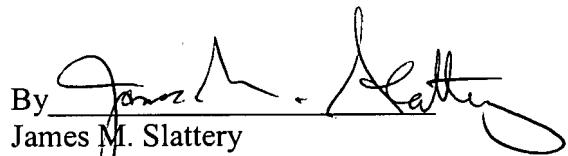
Attached is a copy of the Notification of Missing Requirements (371 Formalities Letter).

Applicant submitted a Preliminary Amendment on June 14, 2007 with the filing of the present application. The Preliminary Amendment included claim 7, which was inadvertently omitted from the English language translation as filed on June 14, 2007. Claim 7 also included minor amendments to place the claim in better form for U.S. examination.

**Because the English translation is believed to have been properly filed, no fee is believed to be due with this submission.** If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: May 22, 2007

Respectfully submitted,

By   
James M. Slattery  
Registration No.: 28,380  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Road  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant

Attachment(s)



## UNITED STATES PATENT AND TRADEMARK OFFICE

JMS

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

|   |                       |                  |                               |  |                |  |                  |               |            |            |
|---|-----------------------|------------------|-------------------------------|--|----------------|--|------------------|---------------|------------|------------|
| U.S. APPLICATION NUMBER NO.   | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |                               |  |                |  |                  |               |            |            |
| 10/582,864  | Fuchun Sheng          | 1561-0140PUS1    |                               |  |                |  |                  |               |            |            |
| <div style="text-align: center; margin-top: 10px;"> <span style="font-size: 2em; font-weight: bold;">AB</span><br/> <span style="font-size: 1.5em; font-weight: bold;">DOCKETED</span><br/> <span style="font-size: 1.2em; font-weight: bold;">translation</span><br/> <span style="font-size: 1.2em; font-weight: bold;">5/22/2007</span> </div>   |                       |                  |                               |  |                |  |                  |               |            |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 2px;">INTERNATIONAL APPLICATION NO.</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 2px;">PCT/CN04/00308</td> </tr> <tr> <td style="width: 50%;">I.A. FILING DATE</td> <td style="width: 50%;">PRIORITY DATE</td> </tr> <tr> <td style="text-align: center; padding: 2px;">04/05/2004</td> <td style="text-align: center; padding: 2px;">12/15/2003</td> </tr> </table> |                       |                  | INTERNATIONAL APPLICATION NO. |  | PCT/CN04/00308 |  | I.A. FILING DATE | PRIORITY DATE | 04/05/2004 | 12/15/2003 |
| INTERNATIONAL APPLICATION NO.   |                       |                  |                               |  |                |  |                  |               |            |            |
| PCT/CN04/00308  |                       |                  |                               |  |                |  |                  |               |            |            |
| I.A. FILING DATE  | PRIORITY DATE         |                  |                               |  |                |  |                  |               |            |            |
| 04/05/2004  | 12/15/2003            |                  |                               |  |                |  |                  |               |            |            |
| <b>CONFIRMATION NO. 5972</b><br><b>371 FORMALITIES LETTER</b><br>   |                       |                  |                               |  |                |  |                  |               |            |            |
| <del>*OC000000023023143*</del>  |                       |                  |                               |  |                |  |                  |               |            |            |

Date Mailed: 03/22/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 06/14/2006
- Copy of the International Search Report filed on 06/14/2006
- Preliminary Amendments filed on 06/14/2006
- Information Disclosure Statements filed on 06/14/2006
- Oath or Declaration filed on 06/14/2006
- U.S. Basic National Fees filed on 06/14/2006
- Substitute Specification filed on 06/14/2006
- Priority Documents filed on 06/14/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. The current translation of the application into English is defective as described below. Note a processing fee will be required if submitted later than 30 months from the priority date.
  - The number of claims in the International Application and the number of claims in the translation are not the same.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Small Entity:

DR 01 2007

- \$130 for English translation surcharge required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://spportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

FREDERICK SMITH

---

Telephone: (703) 308-9140 EXT 210

**PART 1 - ATTORNEY/APPLICANT COPY**

---

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/582,864                  | PCT/CN04/00308                | 1561-0140PUS1    |

FORM PCT/DO/EO/905 (371 Formalities Notice)